

#### ABSTRACT

A disposable reactor for culturing cells or micro-organisms or for dissolving or suspending solid particles in a liquid medium is disclosed. The reactor comprises an outer casing and at least an inner casing made of plastic material and nested into each other. The casings are tightly closed with respect to outside environment and communicate with each other. Means are provided for supplying pressurized gas into the casings and for evacuating the gas outside to stir the liquid medium contained in the casings by causing it to flow from one casing to the other.